



U.S. Air Force's New ALBATROSS

Ask any air rescue pilot and he'll tell you rough water landings are the rule, not the exception. That's why the GRUMMAN ALBATROSS, designed for rescue work and other operations on the open sea, has the ruggedness and stability to operate in ocean-high waves.

The ALBATROSS is the newest member of the GRUMMAN family of famous amphibians.



SECUMAN AIRCRAFT ENGINEERING CORPORATION, BETHPAG

Contractors To The Armed Forces





VIBRATION! persuits INTERCHANGEABILITY!

MIN'S A GRAININGS Send to complete

ESVA Z 1900 Nats-like all Eleme

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A QUEST FOR THE PERFECT "SHAPE"



POWER TON AIR PROSECTS



Assessationi Corporation - Wood-Eidge, New Jersey



Short-type threaded JET IGNITOR Spark Plugs with high offineds shield









SPANK FLUG CO, INC. Ascel Dynam Espon Office Spinor & Spinor Signature Com. Lat

Aviation Week December 5 1949

U. S. Technorus Challeron to Books - III

New Assessing Products Arteties Seles & Service Nov Facility for Company Places 47

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Student New Roomer Admir L, Earde Bretz, Hdg., Glorge H, 30 X Michigan Accy Oroched B, Brenz Hdg., Drawd M. Perekov, Edga Lee Amples 16 (2) S Roye N., Stor Francase 1 68 Feel N., Henten, 104 South St. Conveyanded in mer thin 10 surjection. Favoga Very Borwas Lindina, Prin. Expiding, Tokyo, Sondoy, Malburger Six de Janeiro, Merca Cito. Correspondente la more data di mater effec-Sobst F Espe

J. G. Jahoren, Frances Veneger, E. V. Marin, Jr. Note Memper, Sales Especimentary, J. C. Indiano, New York, M. J. Sares, Podnárlphu, V. K. Barotin, Chrobons, L. J. Sales, Change, V. E. Dancell, St. Leon, J. S. Alles, Deller, S. C. Machine, Material, J. V. Baroten, Naw Francisco, C. E. Sales-math., Lon.

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400 mp h > 800 mp h > 30 000 mp h > Only the future can tell! Everyday

Agerica's ever-expending aviation industry is writing a new definition Turbourts rum sets recierts traveline through space at promotyable spends based the advent of even prester speeds by even prester engines

In the electroment of these new planes, MCCF positiones to work in our operative progress with the Amatian Industry to provide ball and roller bearings that can withstand the purishment of super speeds and super temperatures 2007 Industries, Inc., Philodelphia XI, Pa.







FOREMOST IN SCIENTIFIC DEVELOPMENT

OF PROPER GRAIN-FLOW, WYMAN-THE TIME OF THEIR DEVELOPMENT

WYMAN-GORDON

WHO'S WHERE

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► Sales & Adventurage-The Sales Co., Inc. htt (personnel Frank Breen relevations over Greeker Electric Co requisited © 5 R W. Kindedo, now has Function to the memory. Have I Dates a new * Enquel-C. N. Mosen, consider as and master of the based of Northern A.

Elections and Honors Meson Memberony Cn disctors sirely William B Tough to the affect of

P House Dr. Edward E. Sharp, promping NACA), a spile growd chieren of the National Model Plans Exhibit contest Describt of Societies is studying high slifteds energin system requirements, and the University of Machigan is working an annale control Rules C. Phillips, Rr. revolunt of Agreem enteur and mubbless of six energy feel possive and own settlesses.

INDUSTRY OBSERVER

Constity 240 rds; crew has shelved a proposed Conventioner sale flight to South America temporarily for a more immediate 10-day rolls demonstration to Broads Dolta and Mid-Continued II will for receive DCA, DC4 and DC6 schedules with a demonstrator 249 from Sun Deep to Minus and others you Dellas Athana, and Karasa City

Goodene Co. of America at Hickarife, N. Y. is completing a pro-

PTWA nell sec 60 percent DC-6 in its proposed temporalises tel discount flights, scheduled in start Dec 27, and a new september perchase of several DC-64. Convention from 4 the 60 tests in possessor other well. take place in the induc's Kinnan City shops with sed lighting, and an adoptional rathers of and fixed brittine, been

mandations followed tests flows: as October at Waght-Patterson AFB and Clicton County (Ohio) AFS using first Boxing B-171 and then Dwello AD-51 and various Nav. An Frent and commercial artists * Installation of a single lighted "troll" of approach lights at singerty where installation of a likely intransiv appearant likely cratery as not conlight source suitable to make the system visible not less than 5900 ft. ison the reason threshold, with light speed not over 500 ft. sourt, and

on its reader, is constacting a company with its Birk cover to extend the bester, and using ryles free stated of rayon time, the feeder has it trains 120 fb of wealth per obtain. * Next: Assetus Aviation has developed a new trouble-shooting device to check under winner in B-97 housies, which reduce the check time

with the cuton booth set has then 1800 it

for one in various types of pinners Device checks continuely to detect compaints were breaks and business It is notable and can accent from the amplane's hellow or any power promotes ofter many than two works of conferences at Boring-Wights, produced Some of the space will be delinered to the USAF below the first pro-

*Constity Ltd. of Meutoni is still books for a deal with Frinchild for because of C119 manufacture in Craodo. Craodox was robelled by the sid Parelabl measurement on its initial assembly or morethe are but the tid I measure treatgement on its reten appearant for incents ago the plant to by again with the new messagement. The most of most in posses or my mand with the new nemagenesse. Day point at more in-provious negotiations was whether Fulcidad would be adequately pro-tected opinist Camadale competition in the U.S. and Latin Assesses. coport markets

The French Dancelt MD-450 jet fighter a being tented at Bertigue of coolings. Notes Danc is done recently on the service allows.

APARION VEIX December 5, 1045



AVIATION CALENDAR

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NEWS DIGEST

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Col William Westbrie, World Wor

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Simplest Lightest System of

Tab Control



BACKLASH
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DISCOUNT

THON WEEK, December 5, 1945

Sound concernant? With over near

SPONSOR ISSUE

IT'S COMING! THE GULF

NATIONAL APPROADS CONTESTS



NOW-a little about the contest

Its open to all-both men and waver Baldon Mani Stonds The 1 00th of white on year purp port

UTILE KNOWN PACTS DEPT.

About those person-shore wall be not sales and \$1000 to. The proper will be

OW AVAISON DOT , CHAP BURGOOD

Gulf Oil Commistee . . . Out Refining Company marketen of AVIATION

PRODUCTS



Allison Turboprop Challenges British Lead

5500 hp, T-40 engine one of two strmming from Navy program-By Robert Hata Industrial Posts of Parks and Parks

So for the Allieon pengum recents

• The T-35, an anal flow technomo on



year count of 2793 econosical dial? Figur Turbines-The Allians twice . The T-th urner which is beautily two

The T-402 features a short extension The TABA AND have extraorie shifts for supplistice or substant and The Total Lor moved do 10 he

*Affan Costobal Deine forter of cuttedis condesses engine and prolexial section of the Albert tester. seller controls to they can be operated It provides beloweby storting, platchpageira alve depite a USAF demansec phoen like the AZD and AZE where collisions to leave the Nader went will engines in favor of liquid-cooking and then had to miv bestely during the war Albert on so portioned conprops to more than one of its please. pounded sensor of its V-1710 liquidthe Alinon penerum and ampley dovel

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CLOSE I P of Title on not made. Offices bedressess new hear total of 1700 hours coming on last made







Convair Redesigns Big Transport by the USAF. Redesign of the C-91 Modification of XC-99, competitor of C-97 and C-124,

Navy Confirms

The Storgeter was best neder

New contract for the High Sweet Phile Reyard Program

interest at 6500 to state threat

ced at 690 mah Docato has

Copyer has extend the stiff coverstoo on long years strategy uniting of the exempted XC99, recognit 603 lb over shorter distances The C.09 has the following more changes ever the expensioneral XC-99. a new being fifted with Patrick Whatney the Sin Astonia USAF deser-C49 is scheduled to set a new model

Proft & Whiteney VIVI sension of the R-4300 rated at many than 4000 her bethe VDI eagine allow greater feet · Radmirged Furdam. The further

and hometal mass. The leaves desh will make the fooders belly that tooks slight forward tiepe in the XC-99. * Increased Borne The Copy or do virted to curv a 100,000 ib navioal NC 99 has about blived a 180,000 B. . New London Europeant. The C 99 and tail. These will nevert vehicles, inclocken the league Army teaks and UKAT reflect to be driven under their . More Carra Succe. The redescrated C 90 familion will offer 17 months over me the hubble common of the 3 153

would haul 100,000 lb. over trans-Atlantic distance. ►Um B-16 Tooling-2: n extended that shout 30 account of the E-16 costs 5 million and be competitive with The C-99 is designed to meet the

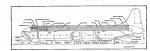
feeces overhead cost. Preservation small also make the C 50 to country troops and removated ready to field ing 543 litter and 33 medical aspeal competent, the C99 is despited to plementary equipment (7), arraced eticly vehicle M-79 (2) annihilate

Filese Spare-Cases done at both ends would provide a 12 a 13 ft seasons space. Compa compertments would prothe tree-Affrete hash a first of 44 division of 175,000 men nor directory tale a special track haden; gon new home hold for the 3-36. Wingspan would be the same 200 ft of the 3-36. matted to USAY but there has been on has also designed a passenger solvator for a 400 necessary figures) for com-

British Air Exports easts out tolling a sharp ray September

New Features Proposed for C-99....









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*When Time Lost-3, Down Spens, Politics Valge-Hickory emphasized Davies believes that they sweet of compa ancies would be desirable. The results compainable terms i throughout of these would have a \$100 ten contract belief by Mrs. Gea. William H. Tun-



ALLMETAL PIASECKI RESCUER Pennis Belonger Core let well ted vicibility Pated with sight penergy sorts the same of its own of sort further if our shorters as in 9 little Unidated to PERFO New Adventer, development of cobin years 20 ft by \$1 ib to \$1 ib as one the well known fator-covered PREF I flore valled Stiples powered visions well carried as a 600 ha Prof & Wheney West remote, many procupes will corr 27. Torsion the new market is Percell's entry in the order condensation, seconder according competition, with an afternoon 500 bys ever procurage movement to flight, and prokep to the matibilities. New Earliest has rate to. referre of national bank while as have

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First Details On Bristol 175

Choice of Protons turbonrous or Centuress niston enrines offered by maker on new 50-62 seater.

First details as the Brotal According and at a case allotude of 23,000 ft Ca'r 175 indiges the 50 passages all . With paten cagne power, the audit

Brokel will offer a choose of powerengines Both models will laws a Performance is given as follows by . With the turboscon the 175 will be

Aerodynamie Data

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Freight, mell and bulbon 5610 fb With the traboptop power, Beatol up the 175 can close a 100 closede

Using the Costauras, the craft can cheer a 50 ft obstance on 4180 it take sittade of \$500 ft.

. . . BASIC HUFFORD **DESIGN** KEEPS PACE WITH

FUTURE AIRCRAFT TRENDS . . .

where if afford offers a bonus feature. Its independent arm motion With Halfard, the thin sections can be first weepped around die for a without under risk of herebone. The added material strength neralline from work-bandening also increased are appoint the parfore parally gradually mercoled textina accessory for forming Personal Madford Marchiner come areas productible strately-more forming problem. from smell structural members to have skin Company performance fundament, more improved to that the and extra correting ocenomy are why Hefford part the nace.

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THE HUFFORD FORMING PROCESS:

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MACHINE WORKS, INC



ANATION WITE Brooks & 1910



AFRONAUTICAL ENGINFERING

Smooth Wing: High Speed Requirement

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Otherse Reynolds in 1883, but its

Noossity for aerodynamically clean surfaces poses probless for designer, manufacturer and executor

Whether townsow's sixtiacr or torto reach The repersons believe. fight is to become printed, (a) our There are only two long require must be such fast and

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sufficient in produce necessaries defermaken tan being about a sharp received These studies also revealed, hereeros, that the cutron to which occuwear shifteen eterous effect on drug characteristics,

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References

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ANUTAGE WEEK, Browner & 1919





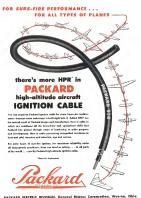












Jets Tested for Sand, Dust Damage Gas turbine envines bring new problems in desert over-

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pt powered XF-92A was built to prove the design supersorry of the delta warg configuration over conventional "tweptbuck" warg styles. The experimental plane has "decount" at the wine's trailing color

for adecor and elevator action. Directional control and stability are solveved by a vertical stabilities and rudder, also of triangular abure.



CONSOLIDATED VULTEE AIRCRAFT CORPORATION



Development of a full line of projection and commu-

The 175-2 transmitter is intended at a community.

COLLING BADIO COMPANY, Coder Buriet Issue



Medicine Printy Water 5 of from 38 to 400 Side Tone: Both tone output 100 milliowing into a 300 also make current Both tone output 100 milliowing into a 300 also make current Both tone output yout from modulated of four ner providing complete check on operation.

here are \$15 v.d.c. in \$50 maps at \$150 v.d.c.

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Front & Winters Assembly German,

The two identical cults at the unpupotents to remainte Right conditions at 175 W objet

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EXPERIENCE

is the best teacher in Airport Lighting, too!!

Whether you're lightfor an all-weather part, or technics a "busine" line, with mulity and nona ope-spip field, it gove to turn to Westinghouse formance at the same high standards as the larger ... a single source of wastly for concellinated parallel renes. lighting, distribution and controls. For further information, get your copy of Having built a rich background of airport Booklet B1571A, "Larry Airport Lighting and tighting experience that dates back to 1927, Distribution", and Booklet Big66A, "Elevand

Westparhouse leads today with the largest more than 60 units that meet, or exceed, local Westinghouse representative or write Westirelause Electric Corneration, P. O. Box Westinghouse Lighting Femipment for sixports 868, Pershargh 50, Pennsylvonia,

TWO MORE "FIRSTS" FOR WESTINGHOUSE

Lights to panetrate heaviest top, Designed and developed by Wesneghouse, Krypton Fashing Boscon Lights are now in times per stimus, these lights practs dence for at land

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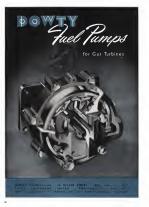
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MONLHOO CHENCAL COMMON P, Dyneti Charmini Jundin South Served Street S' year & Wherest Company of the last or other hands of the last of the

AVIATION WEEK, Document S, 1949



The Labor Union Monopoly Bites ALL Workers

What kind of government is it which:

... Presents the Great Atlantic & Pacific Ten Company which it macris bundles about 45/1% of the retail lead distribution business on an it-

legal moneyody in restmint of trade, and
... Seeks to borsk up four big ment packing
companies and make them lets 15 companies,
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... Makes an more whatsower to apply the federal noti-tensi laws to the exercise of visionilly 100 present messagedy custral of labor in the coal industry, and the endy slightly lost complete mempely control of labor in the steel The neaver to that quotient is simple. It is class government of the most fagure type, a government by which special privileges are disposed without justice and so the goar isjuny of all western. It is the kind of government which will lead to the early sacking of the American referreds potent and the concornal feesbase of the referred potents and the concornal feesbase of

In legal tenns the explanation of this flagment admit to good government is also simple. In 1992 labor union architics were given virtually control of the property of the property of the foldent seri-instal town by protongs of the Norm-

When the Nortio LaGouetia Act was possed labor unsom were relatively weak. Only about crassized, only about 12% of the steel workers. About two-thirds of the cost miners was union does. The country was in the depth of its worst degreesion. The uncarelevenest of about onefourth of the labor force made monopoly control

But after only seventoes years devoted to the promotion of labor union promutation by the with us. In its power and scope it makes the allered besiness monopolity being prospected under the Indeed arm trust laws men necessary paiding. In its manners it makes the old-time business monopolists look like Lord Fauntherous

What is larkous, expressed lacking in action by Congress, action to shape our federal and trust laws to take account of the labor monopoly that has become the dominion national force in our country today, a force that is leading to the

Before labor monomoly is bevices no. as it must he besien on if our economy is not to be nexconsently werehold after story will no death be received. But one feet many than any other will to keep its occupants and personal freedom. It is what it does to see that labor manusch re-

crives the same treatment under the federal anti-test loss as now other bind of economic

The purpose of the federal sent-trust laws in to break up aponopoly and prayery for compension wisdom and formers of its application in particwhat cases is often open to challenge But in soite of bad administrator every facultural business man I know is a stained defender of our ma-

At present, in the exemption of labor monoroly, we have a breach so that policy which, if not closed, will soon become first both to the policy and the enterprise system it is designed so fomer and protect.

The main thank wrong today with Great Beatage and indeed all Burees is that no effective antitrast laws are in existence to protect the public from business and inhor monopoles, to guarantre personal freedoms. No free economy in Europe or America cup prosper as long as protected reprotector remain and flourish.

While your representatives in Concress are busine with you talk to them about the special solulleges now granted to labor sense reasopoly. You would serve your country well by finding net what they lotend to do about it before it is

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You know what he is thinking, for once you stook azomety-even in a window, at a stool of oils, for a hill—and had the same drawn of glocy.

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BRIEFING FOR DEALERS AND DISTRIBUTORS MUSINESS FLYING GAINS-FO one for business recrossed in 1948 6

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Atlantic Mail Pay Confusion

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NWA Compares 2-0-2 Costs With DC-3

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Joint Study Probes Roads to Airports

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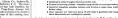
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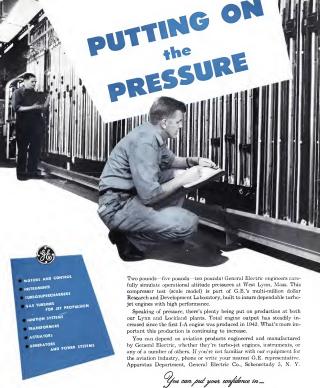
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